

ABSTRACT

In representative embodiments, the present invention is directed to an at least partially in-the-canal module. The module may include a speaker module that generates audio signals from an electrical driving signal. The speaker module has a tubular body with a diameter that is smaller than the ear canal of the user. The speaker module also includes an arcuate raised ridge. A cushion tip of deformable material may be used to enclose the speaker module within a tubular portion that applies an elastic force to the arcuate raised ridge to prevent removal of the speaker from the cushion tip. Also, the tubular portion is longer than the speaker module to cause the cushion tip to deflect during navigation through the canal. Further, the tip portion of the cushion tip possesses sufficient structural rigidity to prevent the speaker from being pushed through the cushion tip during navigation through the canal.